

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/578,672A
Source: IFWP
Date Processed by STIC: 4/20/07

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/578,672A

TIME: 20:10:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04202007\J578672A.raw

5 <110> APPLICANT: EXONHIT THERAPEUTICS SA

9 <120> TITLE OF INVENTION: Identification of diagnostic markers for Communicable subacute spongiform

10 encephalopathies

14 <130> FILE REFERENCE: 3665-178

16 <140> CURRENT APPLICATION NUMBER: 10/578,672A

C--> 18 <141> CURRENT FILING DATE: 2006-05-09

21 <150> PRIOR APPLICATION NUMBER: PCT/FR2004/002892

23 <151> PRIOR FILING DATE: 2004-11-10

27 <150> PRIOR APPLICATION NUMBER: FR 03 13275

29 <151> PRIOR FILING DATE: 2003-11-13

33 <160> NUMBER OF SEQ ID NOS: 26

37 <170> SOFTWARE: PatentIn version 3.1

41 <210> SEQ ID NO: 1

43 <211> LENGTH: 191

45 <212> TYPE: DNA

47 <213> ORGANISM: artificial sequence

51 <220> FEATURE:

53 <223> OTHER INFORMATION: ESB marker

55 <400> SEQUENCE: 1

56 ggtgtggagg tgttcaaagg cattgacaat cggactcaga aagtagtcgc cataaaaaatc	60
58 attgacctgg aggaggcaga agatgagatc gaggacattc agcaggaaat cacagtgtctg	120
60 agtcagtgtg acagtcccta cgtaacccaaa tattacggat cctacctgaa ggacactaaa	180
62 ttgtggataa t	191

65 <210> SEQ ID NO: 2

67 <211> LENGTH: 244

69 <212> TYPE: DNA

71 <213> ORGANISM: artificial sequence

75 <220> FEATURE:

77 <223> OTHER INFORMATION: ESB marker

79 <400> SEQUENCE: 2

80 tatctgcaga atttccccctt gagaagcgtt atgggggtgca ggtaagttat tacacaagag	60
82 aaagaagttt tcttactaac agcaagatta atggcacaat tcaacccaaa ctcatatata	120
84 ttttactgct taattttacat attatttttg tggaaaaaat agtattcttt attctttcag	180
86 tttctttatg caaaaataca cttctacagg gacatcactt agatgttatg caaacctccc	240
88 cccc	244

91 <210> SEQ ID NO: 3

93 <211> LENGTH: 325

95 <212> TYPE: DNA

97 <213> ORGANISM: artificial sequence

101 <220> FEATURE:

103 <223> OTHER INFORMATION: ESB marker

105 <400> SEQUENCE: 3

106 gagacatttg gccaaaagag gaattttccag gacaccaaca acatccatta ttccattatt	60
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CPS.6)

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108 catttggtttc ctgaagagca aacacttcct tgaaattctt ctcaaattct gcctccagtc      120
110 taagcccat ttggccaaaa tcattgaact tgaaagatgc cctgtggttc tgaaagatga      180
112 gacgcatgtc ccacacaaac ccttcacat tggagtagcc ctgctcatc agcctcttct      240
114 tgatcttgtc cagccacatg ggctccttga ggtttttaga agcctcttct atataataat      300
116 aatagggaat cctcactata acgct                                     325
119 <210> SEQ ID NO: 4
121 <211> LENGTH: 688
123 <212> TYPE: DNA
125 <213> ORGANISM: artificial sequence
129 <220> FEATURE:
131 <223> OTHER INFORMATION: ESB marker
133 <400> SEQUENCE: 4
134 aagcggtatg caggtaggcc gacaaggcga agtgggatgc cggagagcgg ccgagttatt      60
136 gctccgagga gaccacgttc accggttact atggcgaccg ccccatcccg gatcactatc      120
138 agccggtcac cgccgatgag gcgacgtggt tccagctctg ggagacggtg agcgagggca      180
140 ctctacgtc gccgccttc gcgacgattg aggaactggc agcctacctc gccgagtggg      240
142 gcgacttctg tgatcacagg cgcgcgctcg agtccatgga cgcgcgcgag attgagcgcc      300
144 tcttgacgct gaatgaccgg cactagtcca aggtgcggct gggggcagca gcgcgcctaa      360
146 gctttctgca agactggctg ggcgccagc atgatggtcc gcggcgcgca gatcctgacc      420
148 aaccctgggg acatggtgtc gtcgtgacct tcgcctagct ctctcacaca cctaggagga      480
150 agagatgacc accccaaca ttcgcggcca cgagaccgaa gccaaggccc gcaaggcggc      540
152 gatgaagtgg ttcaccttca cggacggcac caagcctgtc gagggcgtcc acttccacat      600
154 caagcagaac cacttcgggc tctggacctt ccgggagggc ccggctccga agtccgccgg      660
156 accccgcac actcataacg ctttctcaa                                     688
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161 <211> LENGTH: 373
163 <212> TYPE: DNA
165 <213> ORGANISM: artificial sequence
169 <220> FEATURE:
171 <223> OTHER INFORMATION: ESB marker
173 <400> SEQUENCE: 5
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176 gttccttttg ccacatacat gcgaatctac aggaagggtg atattgtaga tatcaaggga      120
178 atgggtactg ttcaaaaagg aatgccccac aaatgttacc atggcaaaac tggaagagtc      180
180 tataatgtca ccagcatgc tgttggcatc attgtaaaca aacaagttaa gggcaagatt      240
182 cttgccaaga gaattaatgt gcgtatcgag catattaagc actctaagag ccgagatagc      300
184 ttctgaaac gtgtgaagga aaatgatcag aaaaagaggg aagccaaaga gaaagggact      360
186 tgggggttaac acc                                     373
189 <210> SEQ ID NO: 6
191 <211> LENGTH: 235
193 <212> TYPE: DNA
195 <213> ORGANISM: artificial sequence
199 <220> FEATURE:
201 <223> OTHER INFORMATION: ESB marker
203 <400> SEQUENCE: 6
204 gggcgagggt caccctgggg atcctccagg gccaggccct ggcacaactc gtctccatca      60
206 cacagatggg ccgtcgctg gtcgtggctc tcaggagtca gaccgaaaa agccagccct      120
208 ggggcaacca ggagcaccga ggtgatgagc aggacagccc aggaggtcat gttgaggcag      180
210 ctgaaaggtc tgtgcaagtc aatcatgaag aaatttctcc gtaccatcac ctccc      235

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213 <210> SEQ ID NO: 7
215 <211> LENGTH: 285
217 <212> TYPE: DNA
219 <213> ORGANISM: artificial sequence
223 <220> FEATURE:
225 <223> OTHER INFORMATION: ESB marker
227 <400> SEQUENCE: 7
228 cttgtgtagg cagaggttcc agggtcagtg gaggaagcag catcacagcc agatccatgg      60
230 ttgggggatg gccacgggaa atgacttggt gactgactct gatctcagag tgggacaggc      120
232 tgacaggcat ctgggaattc cgggcaaggt caggcacgta ttatagaaga gcaaacacca      180
234 atccccaaaat atcctcagga atcagcgcat gagccccttc tggctcctgt gatggatgat      240
236 gagggccagc ccaaggaaga tcagccccag cacaagcct ccaac                      285
239 <210> SEQ ID NO: 8
241 <211> LENGTH: 235
243 <212> TYPE: DNA
245 <213> ORGANISM: artificial sequence
249 <220> FEATURE:
251 <223> OTHER INFORMATION: ESB marker
253 <220> FEATURE:
255 <221> NAME/KEY: misc_feature
257 <222> LOCATION: (44)..(85)
259 <223> OTHER INFORMATION: N = A, T, G or C
263 <400> SEQUENCE: 8
W--> 264 tctgcagaat tcgcctctga gaagcgttat ccgttgacc caannnnnnn nnnnnnnnnn      60
266 nnnnnnnnnn nnnnnnnnnn nnnnncaaga gaaaagatca gagggtgctg gtgtgacgtt      120
268 taagtaggaa aaggcctgga aggtgagtcc atcaaccgcg gagacaaaag tgggcccggc      180
270 tccttcacaca ggtgccgact gatgctgccca gttcacggtc agtgtgggtc aacac          235
273 <210> SEQ ID NO: 9
275 <211> LENGTH: 400
277 <212> TYPE: DNA
279 <213> ORGANISM: artificial sequence
283 <220> FEATURE:
285 <223> OTHER INFORMATION: ESB marker
287 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (18)..(57)
293 <223> OTHER INFORMATION: N = A, T, C or G
297 <400> SEQUENCE: 9
W--> 298 aagcgttatt tagataannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntac      60
300 acccagagta ttccatagtt tgatggtttt gtctcgggag ccagagacaa tttgccggtt      120
302 gtcagaagag aaggccacac tcagcacatc tttggatatg cctacaaatc ggcgagtgg      180
304 ggtgcccgtt gtgagatccc aaaggcgaag ggttccatcc caggagcctg agagggcaaa      240
306 ttggccatct gaggaatga ccacatcact acaaaagtgg gagtgacccc gaagagcacg      300
308 ctgtgggata ccatagttgg tttcatctct ggtcagcttc cacataatga tggctcttat      360
310 tcgagaggcg gacgatatca tgtccgggaa ctggggagtg                      400
313 <210> SEQ ID NO: 10
315 <211> LENGTH: 397
317 <212> TYPE: DNA
319 <213> ORGANISM: artificial sequence

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323 <220> FEATURE:
325 <223> OTHER INFORMATION: ESB marker
327 <400> SEQUENCE: 10
328 gggccagggg atgatatgaa tgtcacagga ggagacacct tctgtctttg tttcaaagaa      60
330 agttgatgtg ccatttggtta atatacaaga gaaatattga aaatatattg aaaagagcaa      120
332 ttttaaatta tttttggctt atgttgcaat atttattttc ttgtattagg aaagattcct      180
334 ttgtagaaaa aaaatgtatt tttcattaac gcaaaaacct atttctcctt tttgtacatt      240
336 gtccatgttc gctaccctta acgagcaata gaatgtatgg ctgcctcggg gtggccggtg      300
338 cccgcgtgcc ctgcatgatt ctgtgggtccc accaccatgt agctcccagt cccatcctgt      360
340 cctgctcact catgggggtt tccagagcct agcccct      397
343 <210> SEQ ID NO: 11
345 <211> LENGTH: 397
347 <212> TYPE: DNA
349 <213> ORGANISM: artificial sequence
353 <220> FEATURE:
355 <223> OTHER INFORMATION: ESB marker
357 <400> SEQUENCE: 11
358 tggattgcag gtgactgaga aaaccatcga ggacagtttt taaggggtca ctgagccagg      60
360 agcaaatgag atcctgagaa agtacttcat tgtggaagag ttagcactaa gcaggaaacc      120
362 tttccatgct gtgaagaagc tgggacagaa gggtcttcct tgagtgtgac catcttcact      180
364 tcagctcagg agccctgttg gctgaagtgt agggcgctcct ttctgattcc tgaagtatat      240
366 ttattagccc cacggcaagg aagaacagac tcagaacgaa gcccccgact ccactcatca      300
368 tcttgctctg agcagagtca gaccgtgccc tccattctac tgtgataggg cttgtctggc      360
370 tgggggtgctc cacttggcaa gtgtagacct ggcacca      397
373 <210> SEQ ID NO: 12
375 <211> LENGTH: 454
377 <212> TYPE: DNA
379 <213> ORGANISM: artificial sequence
383 <220> FEATURE:
385 <223> OTHER INFORMATION: ESB marker
387 <220> FEATURE:
389 <221> NAME/KEY: misc_feature
391 <222> LOCATION: (435)..(446)
393 <223> OTHER INFORMATION: N= A, T, C or G
397 <400> SEQUENCE: 12
398 gctgtccaaa aaggcctccg ttatggaata attcttttta ttatctccga agtactattc      60
400 tttaccggat ttttctgagc tttctaccac tcaagcctcg cccccacccc tgggggaggc      120
402 ggctgctgac cccaacagg cattcaccca ctaaaccccc tagaagtccc actgctcaac      180
404 acctctgtcc tattggcttc cggagtttct attacctgag cccatcatag tttaatagaa      240
406 ggggaccgaa agcatatatt acaagcccta tttatcacca tcacattagg agtctacttc      300
408 aactactac aagcctcaga atactatgaa gcacctttta ctatctccga cggagtttac      360
410 ggctcaactt tttttgtagc cacaggcttc cacggcctcc acgtcatcat tgggtccaac      420
W--> 412 aaataacgct tctcnnnnnn nnnnnntgca gata      454
415 <210> SEQ ID NO: 13
417 <211> LENGTH: 219
419 <212> TYPE: DNA
421 <213> ORGANISM: artificial sequence
425 <220> FEATURE:
427 <223> OTHER INFORMATION: ESB marker

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429 <220> FEATURE:
431 <221> NAME/KEY: misc_feature
433 <222> LOCATION: (47)..(140)
435 <223> OTHER INFORMATION: N = A, T, C or G
439 <400> SEQUENCE: 13
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442 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
444 nnnnnnnnnn nnnnnnnnnn cttggccgaa aagcctgagg tagtctcggc ggcagagctt      180
446 ccggcccgagc ttgtagtaga ggcgccggcc cacctaccc      219
449 <210> SEQ ID NO: 14
451 <211> LENGTH: 386
453 <212> TYPE: DNA
455 <213> ORGANISM: artificial sequence
459 <220> FEATURE:
461 <223> OTHER INFORMATION: ESB marker
463 <400> SEQUENCE: 14
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466 gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc      120
468 ttcatgtggg agacgcagta gtcggcttgt tcccagagtc agttctggta cagctcctcc      180
470 ttggtcacat aaggcttccc ttcagagctc acggcccgga aggcgctctc aatctcctcg      240
472 ctggacttga cgttctccgt ctacaggctg atcataaagg acatgtactc ttgcatggag      300
474 acgtggacgt ccctgttagg atccacagtg tccaagatgg actcgaactc aaggtcgggc      360
476 tccccttcct ccaacatggg caggtc      386
479 <210> SEQ ID NO: 15
481 <211> LENGTH: 472
483 <212> TYPE: DNA
485 <213> ORGANISM: artificial sequence
489 <220> FEATURE:
491 <223> OTHER INFORMATION: ESB marker
493 <400> SEQUENCE: 15
494 tctgcagaat tcgcctttga gaagcgttat gggggcgagg tggtaaagga agcttacaaa      60
496 acaactattc tttaaaaaaa aacaaaaaaa caaaaaaca aaaaacagca aaagccaacc      120
498 ggcccaattt tgtctccagt tttcaacgtg tgctttcgag catttcagct gtttccagtt      180
500 acttttagtt ccagatatta gtcttccatt tagttttaag actaaatctc acttttggat      240
502 aaacacaagg aaatatatta cttgctgaaa aatcacttta ctggataaag ttacctctta      300
504 tgcctttcag ttttctaata caactttctg acaaccagtg gtaattagga agttctaagt      360
506 tgcagttgtc cctatgactt tgggcttccc tgggtggctca gctgggtcaa aatctgcctg      420
508 caatgcggga gacctccacc ccataacgct tctcaaaggc gaattctgca ga      472
511 <210> SEQ ID NO: 16
513 <211> LENGTH: 424
515 <212> TYPE: DNA
517 <213> ORGANISM: artificial sequence
521 <220> FEATURE:
523 <223> OTHER INFORMATION: ESB marker
525 <400> SEQUENCE: 16
526 ttgagaagcg ttattgtggg gaggtcatag ttgatgacta aggaaacttg ctgtacatca      60
528 atacctctgg ccagtaggtc agtggtaatc aatactctgc tggagccaga gcggaactcc      120
530 ctcagataaa cgtctcggtc tttttgggtc atgtctcgtg gcatggcaga gacggtgaag      180
532 tctcgggcat gcatcttctc ggtgagccaa tccaccttcc ttcgggtgtt gatgaagatg      240

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 Seq#:8; N Pos. 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83
 Seq#:8; N Pos. 84,85
 Seq#:9; N Pos. 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37
 Seq#:9; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57
 Seq#:12; N Pos. 435,436,437,438,439,440,441,442,443,444,445,446
 Seq#:13; N Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66
 Seq#:13; N Pos. 67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86
 Seq#:13; N Pos. 87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104
 Seq#:13; N Pos. 105,106,107,108,109,110,111,112,113,114,115,116,117,118,119
 Seq#:13; N Pos. 120,121,122,123,124,125,126,127,128,129,130,131,132,133,134
 Seq#:13; N Pos. 135,136,137,138,139,140
 Seq#:18; N Pos. 362,363,364,365,366,367,368

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 9

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L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

M:341 Repeated in SeqNo=8

L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0

L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:420

L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

M:341 Repeated in SeqNo=13

L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:360